

Editorial

2005 – The 10th Anniversary Volume of Int J LCA

DOI: <http://dx.doi.org/10.1065/lca2005.02.001>

Dear Readers,

In January 1996, the first issue of Vol. 1 of 'The International Journal of Life Cycle Assessment' appeared. In January 2005, the first issue of Vol. 10 was published. On this occasion, we would like to extend our sincere thanks to all those who made the success of this journal possible: The members of the editorial board, the readers, the authors and reviewers, the subscribers and – last, but not least – the advertisers.

Those of you who read and accompanied the journal from its beginning, will remember the most important steps during its development:

- The increase from four to six issues per year, which had proved to already be necessary with Vol. 3 (1998),
- the OnlineFirst publication* (after the final acceptance of the papers), which is the official publication, providing the great chance of citing the papers prior to their publication in the printed edition of the journal,
- electronic archive of full papers since 1998,
- coverage by ISI beginning with Vol. 6, No. 1 (January 2001),
- start of the LCM section with Vol. 8, No. 1 (January 2003),
- the association of the journal with the UNEP/SETAC Life Cycle Initiative with Vol. 8, No. 2 (March 2003),
- the establishment of section editors (an open-end process) to develop and deepen certain areas (in the course of 2004), as there are:
 - Data Availability, Data Quality (Martin Baitz)
 - Uncertainties in LCA (Andreas Ciroth)

- Waste in LCA (David Pennington)
- Input-Output and Hybrid LCA (Sangwon Suh)

- the first impact factor (of 2003) – 1.035 – announced in Vol. 9, No. 6 (November 2004).

It is, however, not our intention to dwell on the past, but to look into the future: Beginning with 2005, a distribution agreement with Springer (the merger of Kluwer and Springer) has been set into force, according to which new institutional subscribers from outside Germany will be served by Springer. The new company Springer holds a data base of 1200 journals and is thus the second greatest journal imperium of the world. We hope that this agreement will be beneficial to the journal and will, so to say, further increase the distribution and thereby also the number of subscriptions.

LCA, today, is in a process of both broadening and deepening:

- New fields of application, global use, life cycle management and the vision to become the core element in sustainability assessment, on the one hand,
- improved methods, more efficient data bases, inclusion of regional impacts, restructuring of the international standards, on the other hand.

The recent SETAC World Congress in Portland, Oregon, has impressively demonstrated that LCA is flourishing on all continents (except, to our knowledge, Antarctica) and in the diverging directions mentioned above. Int J LCA is open for these developments and challenges, and will continue to serve the LCA community.

Walter Klöpffer and Almut B. Heinrich
walter.kloepffer@t-online.de
almut.heinrich@hjr-verlag.de

* Publications in OnlineFirst (<http://www.scientificjournals.com/sj/lca/onlineFirst>)

Ethanol Fuels: E10 or E85 – Life Cycle Perspectives
 Kim, Seungdo; Dale, Bruce E.
 (DOI: <http://dx.doi.org/10.1065/lca2005.02.201>)

Letter to the Editor – Reply to Jungbluth & Demmeler
 (DOI: <http://dx.doi.org/10.1065/lca2004.11.191>):
 The Ecology of Scale: Assessment of Regional Turnover
 and Comparison with Global Food
 Schlich, Elmar
 (DOI: <http://dx.doi.org/10.1065/lca2005.02.200>)

On the Use of Units in LCA
 Heijungs, Reinout
 (DOI: <http://dx.doi.org/10.1065/lca2005.02.199>)

A Structure Comparison of two Approaches to LCA Inventory Data,
 Based on the MIET and ETH Databases
 Mongelli, Ignazio; Suh, Sangwon; Huppel, Gjal
 (DOI: <http://dx.doi.org/10.1065/lca2004.12.198>)

Allocation of Process Gases Generated from Integrated Steelworks
 by an Improved System Expansion Method
 Moon, Jeong-Min; Eun, Jong-Hwan; Chung, Jong-Shik
 (DOI: <http://dx.doi.org/10.1065/lca2004.12.197>)

Life Cycle Assessment of a Personal Computer and its
 Effective Recycling Rate
 Choi, Byung-Chul; Shin, Hang-Sik; Lee, Su-Yol; Hur, Tak
 (DOI: <http://dx.doi.org/10.1065/lca2004.12.196>)

Life Cycle Assessment of the District Heat Distribution System – Part 2: Network Construction
Fröling, Morgan; Svanström, Magdalena
(DOI: <http://dx.doi.org/10.1065/lca2004.12.195>)

Human Health Damages due to Indoor Sources of Organic Compounds and Radioactivity in Life Cycle Impact Assessment of Dwellings – Part 2: Damage Scores
Meijer, Arjen; Huijbregts, Mark A. J.; Reijnders, Lucas
(DOI: <http://dx.doi.org/10.1065/lca2004.12.194.2>)

Human Health Damages due to Indoor Sources of Organic Compounds and Radioactivity in Life Cycle Impact Assessment of Dwellings – Part 1: Characterisation Factors
Meijer, Arjen; Huijbregts, Mark A. J.; Reijnders, Lucas
(DOI: <http://dx.doi.org/10.1065/lca2004.12.194.1>)

Life Cycle Assessment of the Mobile Communication System UMTS: Towards Eco-efficient Systems
Faist Emmenegger, Mireille; Frischknecht, Rolf; Stutz, Markus; Guggisberg, Michael; Witschi, Res; Otto, Tim
(DOI: <http://dx.doi.org/10.1065/lca2004.12.193>)

LCA of Multicrystalline Silicon Photovoltaic Systems – Part 2: Application on an Island Economy
Koroneos, Christopher; Stylos, Nikolaos; Moussiopoulos, Nicolas
(DOI: <http://dx.doi.org/10.1065/lca2004.12.192.2>)

LCA of Multicrystalline Silicon Photovoltaic Systems – Part 1: Present Situation and Future Perspectives
Koroneos, Christopher; Stylos, Nikolaos; Moussiopoulos, Nicolas
(DOI: <http://dx.doi.org/10.1065/lca2004.12.192.1>)

Life Cycle Assessment of Kerosene Used in Aviation
Koroneos, Christopher; Dompros, Aris; Roumbas, George; Moussiopoulos, Nicolas
(DOI: <http://dx.doi.org/10.1065/lca2004.12.191>)

Letter to the Editor: The Ecology of Scale: Assessment of Regional Turnover and Comparison with Global Food by Elmar Schlich and Ulla Fleissner
Jungbluth, Niels; Demmeler, Martin
(DOI: <http://dx.doi.org/10.1065/lca2004.11.191>)

Expanded Damage Function of Stratospheric Ozone Depletion to Cover Major Endpoints Regarding Life Cycle Impact Assessment
Hayashi, Kentaro; Nakagawa, Ai; Itsubo, Norihiro; Inaba, Atsushi
(DOI: <http://dx.doi.org/10.1065/lca2004.11.189>)

Scenario Modelling in Prospective LCA of Transport Systems. Application of Formative Scenario Analysis
Spielmann, Michael; Scholz, Roland; Tietje, Olaf; Haan, Peter de
(DOI: <http://dx.doi.org/10.1065/lca2004.10.188>)

Life Cycle Assessment of Wood Floor Coverings – A Representative Study for the German Flooring Industry
Nebel, Barbara; Zimmer, Bernhard; Wegener, Gerd
(DOI: <http://dx.doi.org/10.1065/lca2004.10.187>)

A Risk-Based Approach to Health Impact Assessment for Input-Output Analysis – Part 2: Case Study of Insulation
Nishioka, Yurika; Levy, Jonathan; Norris, Gregory A.; Bennett, Deborah; Spengler, John
(DOI: <http://dx.doi.org/10.1065/lca2004.10.186.2>)

A Risk-Based Approach to Health Impact Assessment for Input-Output Analysis – Part 1: Methodology
Nishioka, Yurika; Levy, Jonathan; Norris, Gregory A.; Bennett, Deborah; Spengler, John
(DOI: <http://dx.doi.org/10.1065/lca2004.10.186.1>)

Distance-to-Target Weighting in Life Cycle Impact Assessment Based on Chinese Environmental Policy for the Period 1995–2005
Lin, Meiyun; Zhang, Shushen; Chen, Yu
(DOI: <http://dx.doi.org/10.1065/lca2004.10.185>)

A Consistent Framework for Assessing the Impacts from Resource Use – A focus on resource functionality
Stewart, Mary; Weidema, Bo Pedersen
(DOI: <http://dx.doi.org/10.1065/lca2004.10.184>)

Characterisation and Normalisation Factors for Life Cycle Impact Assessment Mined Abiotic Resources Categories in South Africa: The manufacturing of catalytic converter exhaust systems as a case study
Strauss, Kerwin; Brent, Alan; Hietkamp, Sibbele
(DOI: <http://dx.doi.org/10.1065/lca2004.10.183>)

Country-dependent Characterisation Factors for Acidification in Europe – A Critical Evaluation
Hettelingh, Jean-Paul; Posch, Maximilian; Potting, José
(DOI: <http://dx.doi.org/10.1065/lca2004.09.182>)

The Ecology of Scale: Assessment of Regional Energy Turnover and Comparison with Global Food
Schlich, Elmar; Fleissner, Ulla
(DOI: <http://dx.doi.org/10.1065/lca2004.09.180.9>)

LCA of Ex-Situ Bioremediation of Diesel-Contaminated Soil
Toffoletto, Laurence; Deschênes, Louise; Samson, Réjean
(DOI: <http://dx.doi.org/10.1065/lca2004.09.180.12>)

Applying Life Cycle Tools and Process Engineering to Determine the Most Adequate Treatment Process Conditions. A Tool in Environmental Policy
Romero-Hernandez, Omar
(DOI: <http://dx.doi.org/10.1065/lca2004.09.180.11>)

Comparative LCAs for Curbside Recycling Versus Either Landfilling or Incineration with Energy Recovery
Morris, Jeffrey
(DOI: <http://dx.doi.org/10.1065/lca2004.09.180.10>)

Life Cycle Assessment of Water Production Technologies – Part 2: Reverse Osmosis Desalination versus the Ebro River Water Transfer
Raluy, R. Gemma; Serra, Luis; Uche, Javier; Valero, Antonio
(DOI: <http://dx.doi.org/10.1065/lca2004.09.179.2>)

Life Cycle Assessment of Water Production Technologies – Part 1: Life Cycle Assessment of Different Commercial Desalination Technologies (MSF, MED, RO)
Raluy, R. Gemma; Serra, Luis; Uche, Javier
(DOI: <http://dx.doi.org/10.1065/lca2004.09.179.1>)

Uncertainty Analysis in Life Cycle Assessment (LCA): Case Study on Plant-Protection Products and Implications for Decision Making
Geisler, Georg; Hellweg, Stefanie; Hungerbühler, Konrad
(DOI: <http://dx.doi.org/10.1065/lca2004.09.178>)

Representing Statistical Distributions for Uncertain Parameters in LCA. Relationships between mathematical forms, their representation in EcoSpold, and their representation in CMLCA
Heijungs, Reinout; Frischknecht, Rolf
(DOI: <http://dx.doi.org/10.1065/lca2004.09.177>)

Life Cycle Inventory Information of the United States Electricity System
Kim, Seungdo; Dale, Bruce
(DOI: <http://dx.doi.org/10.1065/lca2004.09.176>)